Accelerating Transparency and Innovation In Life Science

Using advanced analytics to bring new therapies to market sooner

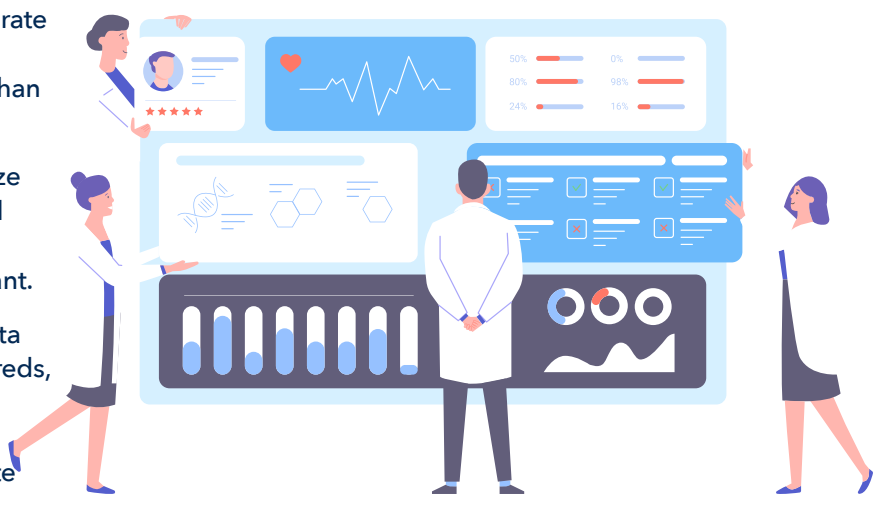
While regulators have become more flexible about clinical trial design and the speed at which trials are conducted, the process is still complicated. The decentralization, diversification and acceleration of these trials puts greater pressure on all participants in the ecosystem to collaborate efficiently. This is particularly challenging for companies in the startup phase and small to midsize range who may lack much of the bandwidth and funding needed.

It doesn't have to be that way, and evidence shows it. In this short eBook, we'll share how you can drive speed to market with more efficient clinical trials, using the **SAS® Life Science Analytics Framework**, a fully comprehensive platform that fulfills all the requirements of the FDA and is used by hundreds of customers across the life science industry.

Building a Platform That Fits SMB Industry Needs

When it comes to clinical trials, each life science organization has its specific needs and its own strategies for innovation. But underneath their custom requirements, there's a level of common practice that is often overlooked.

Life Sciences solutions built on the SAS platform give customers in highly regulated industries the perfect balance of control to securely manage, scale and maintain data governance, while providing the flexibility to incorporate different programming languages, data sources and analytics techniques – which is more important now than ever before.



There is a tremendous opportunity for small to midsize Life Science companies to reduce time to market and lessen regulatory query response time with a fully validated environment that is CFR 21 Part 11 compliant.

With SAS as the FDA de facto standard for clinical data submissions, scalable from one or two users to hundreds, you can have everything in one environment, enabling seamless collaboration across departments to deliver success. You get to mitigate risk and eliminate burden on IT.

Plus, SAS also helps orchestrate the journey from data to tangible results.

5 Key Technology Areas for Clinical Trial Management

The SAS® Life Science Analytics Framework delivers everything your organization needs to cover the technology areas that are fundamental to your organization.

1

Clinical data repository: A central store witha rigorous governance framework built in, ensuring full version control for data assets and role-based access management for users to provide complete auditability. All data and metadata for each clinical trial is held in one secure, tamper-proof enviroment anda data lineage is traceable from end to end.

2

Statistical computing enviroment: A powerful, open analytics engine that empowers statisticians, data scientists to write code and run analyses in SAS, R or Python. They can also connect seamlessly to external analytics environments sucha as SAS Viya to run machine learning models and integrate the results back into the clinical data repository.

3

Collaborative workflows: A GxP qualified cloud platform that teams and partners can access securely anywhere and from anydivece, which integrates seamlessly with internal and third.party workclow management tools- simplifying handdolfs between internal and external stakeholders and making it easy to adapt to new clinical trial methodologies.

4

Regulatory reporting: A fully governed environment with tigorous controls to ensure that both data and analyses are documented and reproducible, together with tools to create and manage regulatory submissions that comply with all relevant data standards and formats.

5

Management insight: Powerful dashboards and reporting that enable users in different roles-from data scientists to trial managers and executives- to view the data that's relevant to them in real time. This helps to identify and resolve issues quickly and maintain momentum in clinical trials to get new medicines to market faster.

Why SAS?

45+ years of experience

Trusted advisor to companies worldwide.

2,350 Life Sciences customers world wide

Small, medium size to enterprise companies

100% of the Life Sciences companies in the Fortune 500 use SAS

Biotech, Pharmaceuticals, Biologics, Medical device

FDA SAS is the facto standard for clinical data aubmissions

Scalable from a handful of users to more than 1500

SAS has been working with life science companies to develop and refine solutions for clinical trials management for over 45 years.
The Life Science Analytics Framework represents the sum of everything we've learned while working with pharmaceuticals, biotech, CRO, and medical device companies.
And while drawing on that deep heritage, it is a modern platform, built on cloud-native technology and open API integration, with full support for open-source statistical programming languages and data-science frameworks.

Unique Differentiators

SAS® Life Science Analytics Framework offers unique differentiators, making it a perfect fit for startups and small to midsize companies, that include:

Full solution

- Software as a service
- Single integrated cloud-based platform for all stakeholders
- Integrates with open-source technologies
- Microsoft Azure Holding

Speed to Insight

- Installation and implementation in 3 months or less: much simpler compared to modular or customized solutions
- Near real-time access to data

Risk Migration

- Centralized secure repository with auditable actions
- Traceability of data
- Repeatability of analysis
- 20 years of product roadmap & extensive implementation experience

Efficiency

- Less time to market and regulatory query response
- Standards time-driven approach
- Automation through workflows
- Shift away from managing Compliance

Eager To Deliver Real-World Value and unlock key business benefits?

The Life Science Analytics Framework is used by a number of life sciences companies around the world, including specialist firms such as Santen and Ferring Pharmaceuticals.

"Working in a global, cross-funcional team environment on critical projects, it was important to ensure consistency, seamless access, and version control across all the various groups at Santen... With the SAS® Life Science Analytics Framework, everyone is viewing the same snapshot of the data. Global access to consistent data is the dream, and we've achieved it."

NINA WORDEN, DIRECTOR OF STATISTICAL PROGRAMMING, SANTEN

"The SAS® Life Science Analytics Framework, hosted by SAS in a GxP-hosted environment, provides a proven, global industry solution in which international virtual teams at Ferring and clinical research organizations acess clinical data in the same way, and continuously aim at optimizing working procedures while ensuring compliance with regulatory requirements.

BJARKE KLEIN, VICE PRESIDENT OF GLOBAL BIOMETRICS, FERRING PHARMACEUTICALS

NEXT STEPS

To learn more about how the Life Sciences Analytics Framework can help transform the way you plan and execute clinical trials, as well as deliver new medicines to market faster, visit **SAS® Life Science Analytics Framework**.